

NEVADA DIVISION OF ENVIRONMENTAL PROTECTION

FACT SHEET
(pursuant to NAC 445A.236)

Permittee Name: Harrah's Operating Company Inc.
1023 Cherry Road
Memphis, Tennessee 38117

Permit Number: NEV96010

Description of Discharge

Location: Rio Secco Golf Club (formerly Seven Hills)
2851 Grand Hills Drive
Henderson, Nevada 89052

Characteristics: The effluent supplied to the Rio Secco Golf Course is tertiary treated, denitrified, disinfected effluent supplied by the Henderson Wastewater Reclamation Facility and is used in landscape irrigation of the Rio Secco golf course and common area in accordance with Rio Secco's approved Effluent Management Plan (EMP). Effluent is Class B effluent per NAC. 445A.276. Rio Secco Golf Course now has 97.3 acres under effluent irrigation for tees, fairways, and roughs. Putting greens are irrigated with potable water supplied by the City of Henderson. In support of conservation efforts areas of turf grass were removed from irrigation and replaced with desert vegetation.

Quantities: Flow: 1.1 MGD 30-day average.

The discharge shall be limited and monitored by the Permittee as specified below:

TABLE I.1

<u>PARAMETERS</u>	<u>EFFLUENT DISCHARGE LIMITATIONS</u>		<u>MONITORING REQUIREMENTS</u>	
	30-Day Average	Monthly Maximum	Measurement Frequency	Sample Type
Irrigation Rate Flow Million Gallons ² (MGD)	Monitor & Report MGD	Monitor & Report MG Month (MGM)	Continuous	Flow meter
Annual Application Volume ³ (AF)	1437 Acre-Feet/Year		Cumulative annual total	Flow Meter (totalizers)

<u>PARAMETERS</u>	<u>EFFLUENT DISCHARGE LIMITATIONS</u>		<u>MONITORING REQUIREMENTS</u>	
Fecal Coliform ¹ (CFU/MPN)	2.2 CFU (MPN)/100 ml	23 CFU (MPN)/ 100 ml	Weekly	Discrete

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- 1 Sample results are to be obtained from NEV80003 and reported by Permittee.
- 2 Monthly application rates in the Effluent Management Plan (EMP) should be used as a guide.
3. Is based upon 110% of the Application Volume determined from the consumptive use balance in the EMP and is to be submitted with the 4th Quarter DMR.

General: The applicant reuses effluent for landscape irrigation on the Rio Secco golf course property and common areas. Two lined irrigation and storage lakes have aeration systems installed that utilize air injection to provide necessary oxygen to prevent upsets, and or stratification by maintaining a balance of dissolved oxygen in the water column. Multiple injection sites in the bottom of the "lakes" are designed to provide needed dissolved oxygen to eliminate any pond odors, reduce algal growth and to increase water clarity. Application of reuse water is via spray irrigation in accordance with the approved Effluent Management Plan and as required by the permit.

Receiving Water Characteristics: Groundwater in the area is approximately 325' - 375' in depth. No adverse effects are expected to occur as a result of this effluent reuse. Groundwater monitoring is not required.

Procedures for Public Comment:

The Notice of the Division's intent to reissue a permit authorizing the facility to discharge to the groundwater of the State of Nevada subject to the conditions contained within the permit, is being sent to the **Las Vegas Review-Journal and Henderson Home News** for publication. The notice is being mailed to interested persons on our mailing list. Anyone wishing to comment on the proposed permit can do so in writing for a period of 30 days following the date of the public notice, by July 7, 2008. The comment period can be extended at the discretion of the Administrator.

A public hearing on the proposed determination can be requested by the applicant, any affected State, any affected interstate agency, the Regional Administrator or any interested agency, person or group of persons.

The request must be filed within the comment period and must indicate the interest of the person filing the request and the reasons why a hearing is warranted.

Any public hearing determined by the Administrator to be held must be conducted in the geographical area of the proposed discharge or any other area the Administrator determined to be appropriate. All public hearings must be conducted to accordance with NAC 445A.238.

The final determination of the Administrator may be appealed to the State Environmental Commission pursuant to NRS 445A.605.

Proposed Determination

The Division has made the tentative determination to reissue the proposed permit for a 5 year period.

Schedule of Compliance

The Permittee shall implement and comply with the provisions of the following schedule of compliance after approval by the Administrator, including in said implementation and compliance, any additions or modifications which the Administrator may make in approving the schedule of compliance.

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- a. The Permittee shall achieve compliance with the effluent flow monitoring requirements upon issuance of the permit.
- b. Any revisions to the Effluent Management Plan (EMP) shall be submitted to Nadir Sous of the NDEP, Bureau of Water Pollution Control (BWPC), Technical Services Branch, at 2030 E. Flamingo Road, Suite 230, Las Vegas, NV 89119 by June 30, 2008. A second copy shall be submitted to Ms. Diana Silsby, Compliance Coordinator, NDEP, 901 South Stewart Street, Suite 4001, Carson City, Nevada 89701.
- c. **The Permittee shall submit an annual report each year of the cross-connection control documentation, as required by Part I.B.11 of the permit, with the 4th Quarter Report. The report shall document the cross-connection control inspections, including the annual shut down tests for the permitted site which shall be conducted by an AWWA Certified Cross-Connection Control Specialist in conjunction with the the City of Henderson Back Flow Prevention and Cross-Connection Control Staff.**

Rationale for Permit Requirements:

Fecal Coliform is monitored to ensure effluent reuse quality is maintained in accordance with NAC 445A.276.

Application volumes are monitored such that they must be in accordance with Consumptive Use Balance described in the EMP.

Prepared by: Icyl C. Mulligan
April 2008

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